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Clean copy of pending claims

4. A compound of the formula:

$$R^{1} \xrightarrow{\begin{array}{c} 5 \\ \\ \\ \\ \\ \\ \end{array}} R^{8} \xrightarrow{R^{7}} R^{5} \quad II$$

wherein:

R¹ is OH, O(CH₂)₁₋₂OH, OCH₂CO₂H, CO₂H, O-Z-C(O)NH(CH₂)₁₋₆R¹⁷ or OCH₂-4-Phe-C(O)NH(CH₂)₁₋₆R¹⁷;

R² is H or lower alkyl;

R³ is H, alkyl, aryl, or arylalkyl;

R⁴ and R⁵ are each independently H, lower alkyl, or substituted lower alkyl where the substituents are 1-3 alkoxy, aryl, substituted aryl, carboxamido; or

 R^4 and R^5 taken together are -(CH₂)_n-, -(CH₂)₂-O-(CH₂)₂-, -CH₂-O-(CH₂)₃-, -(CH₂)₂-NR⁸-CH₂)₂-, -(CH₂)₂-, -(CH₂)₂-S(O)₀₋₂-(CH₂)₂-, or -CH₂CH(N-loweralkyl)(CH₂)₂CHCH₂-

one of R⁶ and R⁷ is H and the other is OH, or N(CH₂)₁₋₆R¹⁴R¹⁵; or

R⁸ is H, COOR⁹, CONHR¹⁰, CSNHR¹¹, COR¹², SO₂R¹³, lower alkyl, aryl lower alkyl, heteroaryl, or heteroaryl lower alkyl, wherein aryl is optionally substituted with 1-3 substituents selected from lower alkyl, lower alkoxy, halo, CN, NH₂, COOH, CONH₂, and mono-lower alkylamino and wherein heteroaryl is a mono- or bicyclic heteroaromatic ring system of 5 to 10 members including 1 to 3 heteroatoms selected from O, N, and S and 0-3 substituents selected from halo, amino, cyano, lower alkyl, CONH₂, and S-lower alkyl;

R⁹ is lower alkyl, aryl, aryl lower alkyl, heteroaryl, aryl substituted by 1-3 substituents selected from alkyl, alkenyl, alkoxy, and halo, or a 5- to 6-membered heterocyclic ring containing O or N as a heteroatom, wherein heteroaryl is a heteroaromatic ring of 5 to 6 members

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- including 1 to 2 heteroatoms selected from O, N, and S and 0-2 substituents selected from lower alkyl, dialkylamino, lower alkoxy, and halo;
- R¹⁰ and R¹¹ are each independently lower alkyl, aryl, aryl lower alkyl, or aryl substituted by 1-3 substituents selected from lower alkyl, halo, alkoxy and haloalkyl;
- R¹² is lower alkyl, aryl, heteroaryl, aryl lower alkyl, heteroaryl lower alkyl, a 5- or 6-membered heterocyclic ring containing 1-2 heteroatoms selected from O, S, and N, a 5- or 6-membered heterocyclic ring containing 1-2 heteroatoms selected from O, S, and N-lower alkyl, or aryl substituted with 1-3 substituents selected from lower alkyl, alkoxy, halo, sulfamoyl, lower alkyl sulfamoyl, cyano, and phenyl;
- R¹³ is lower alkyl, aryl, or aryl substituted with 1-3 substituents selected from lower alkyl, alkoxy, halo, CN, and haloalkyl;
- R¹⁴ is H; alkyl; alkyl substituted by 1-3 alkoxy, S-lower alkyl, sulfamoyl, halo, alkylsulphonamido, or arylsulphonamido; alkenyl; alkynyl; aryl; substituted aryl; heteroaryl; substituted heteroaryl; heterocycloalkyl; -CH₂NR¹⁶C(O)R¹⁶;-C(O)NR¹⁶R¹⁶; -CH₂OC(O)R¹⁶; or -CH₂SC(O)R¹⁶;
- R¹⁵ is H, alkyl, -C(O)X, -C(S)X, or -C(NCN)NR³R³;
- R¹⁶ is lower alkyl, substituted lower alkyl, aryl, or substituted aryl;
- R¹⁷ is H; alkyl; alkyl substituted by 1-3 alkoxy, S-lower alkyl, sulfamoyl, halo, alkylsulphonamido, or arylsulphonamido; alkenyl; alkynyl; aryl; substituted aryl; heteroaryl; substituted heteroaryl; heterocycloalkyl; -CH₂NR¹⁶C(O)R¹⁶; -C(O)NR¹⁶R¹⁶; -CH₂OC(O)R¹⁶; or -CH₂SC(O)R¹⁶;
- X is alkyl, aryl, arylalkyl, O-loweralkyl, or -NR³R³;
- Z is -(CH₂)₁₋₆-, optionally substituted with 1-3 lower alkyl; -CHR²-; -Phe-CH₂-, where Phe is optionally mono-substituted with halogen, lower alkyl, or alkoxy; or heteroarylene-(CH₂)-;
- m is 2 or 3; and
- n is 4-9;
- or a pharmaceutically acceptable salt thereof.

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Changes made to claim 4

4. A compound of the formula:

$$R^{1}$$
 R^{5}
 R^{6}
 R^{7}
 R^{5}
 R^{5}
 R^{5}

wherein:

R¹ is OH, O(CH₂)₁₋₂OH, OCH₂CO₂H, CO₂H, O-Z-C(O)NH(CH₂)₁₋₆R¹⁷ or OCH₂-4-Phe-C(O)NH(CH₂)₁₋₆R¹⁷;

R² is H or lower alkyl;

R³ is H, alkyl, aryl, or arylalkyl;

R⁴ and R⁵ are each independently H, lower alkyl, or substituted lower alkyl where the substituents are 1-3 alkoxy, aryl, substituted aryl, [carboalkoxy,] carboxamido, [di-loweralkylamido]; or

 $R^4 \text{ and } R^5 \text{ taken together are -}(CH_2)_{n^-}, -(CH_2)_{2^-}O_-(CH_2)_{2^-}, -CH_2-O_-(CH_2)_{3^-}, -(CH_2)_{2^-}NR^8-CH_2)_{2^-}, -(CH_2)_{2^-}NR^8-(CH_2)_{2^-}, -(CH_2)_{2^-}S(O)_{0-2^-}(CH_2)_{2^-}, \text{ or } -CH_2CH(N-loweralkyl)(CH_2)_2CHCH_2-$

one of R⁶ and R⁷ is H and the other is [H,] OH, or N(CH₂)₁₋₆R¹⁴R¹⁵; or

is-OH and R² is -H, R⁶ and R⁷ are not -H and -OH or when taken together are not OB; R⁸ is H, COOR⁹, CONHR¹⁰, CSNHR¹¹, COR¹², SO₂R¹³, lower alkyl, aryl lower alkyl, heteroaryl, or heteroaryl lower alkyl, wherein aryl is optionally substituted with 1-3 substituents selected from lower alkyl, lower alkoxy, halo, CN, NH₂, COOH, CONH₂, [carboalkoxy] and mono- [or di-] lower alkylamino and wherein heteroaryl is a mono- or bicyclic heteroaromatic ring system of 5 to 10 members including 1 to 3 heteroatoms selected from O, N, and S and 0-3 substituents selected from halo, amino, cyano, lower alkyl, CONH₂, and S-lower alkyl;

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- R⁹ is lower alkyl, aryl, aryl lower alkyl, heteroaryl, aryl substituted by 1-3 substituents selected from alkyl, alkenyl, alkoxy, and halo, or a 5- to 6-membered heterocyclic ring containing O or N as a heteroatom, wherein heteroaryl is a heteroaromatic ring of 5 to 6 members including 1 to 2 heteroatoms selected from O, N, and S and 0-2 substituents selected from lower alkyl, dialkylamino, lower alkoxy, and halo;
- R¹⁰ and R¹¹ are each independently lower alkyl, aryl, aryl lower alkyl, or aryl substituted by 1-3 substituents selected from lower alkyl, halo, alkoxy and haloalkyl;
- R¹² is lower alkyl, aryl, heteroaryl, aryl lower alkyl, heteroaryl lower alkyl, a 5- or 6-membered heterocyclic ring containing 1-2 heteroatoms selected from O, S, and N, a 5- or 6-membered heterocyclic ring containing 1-2 heteroatoms selected from O, S, and N-lower alkyl, or aryl substituted with 1-3 substituents selected from lower alkyl, alkoxy, halo, sulfamoyl, lower alkyl sulfamoyl, cyano, and phenyl;
- R¹³ is lower alkyl, aryl, or aryl substituted with 1-3 substituents selected from lower alkyl, alkoxy, halo, CN, and haloalkyl;
- R¹⁴ is H; alkyl; alkyl substituted by 1-3 alkoxy, S-lower alkyl, sulfamoyl, halo, alkylsulphonamido, or arylsulphonamido; alkenyl; alkynyl; aryl; substituted aryl; heteroaryl; substituted heteroaryl; heterocycloalkyl; -CH₂NR¹⁶C(O)R¹⁶; -C(O)NR¹⁶R¹⁶; -CH₂OC(O)R¹⁶; or -CH₂SC(O)R¹⁶;
- R¹⁵ is H, alkyl, -C(O)X, -C(S)X, or -C(NCN)NR³R³;
- R¹⁶ is lower alkyl, substituted lower alkyl, aryl, or substituted aryl;
- R¹⁷ is H; alkyl; alkyl substituted by 1-3 alkoxy, S-lower alkyl, sulfamoyl, halo, alkylsulphonamido, or arylsulphonamido; alkenyl; alkynyl; aryl; substituted aryl; heteroaryl; substituted heteroaryl; heterocycloalkyl; -CH₂NR¹⁶C(O)R¹⁶; -C(O)NR¹⁶R¹⁶; -CH₂OC(O)R¹⁶; or -CH₂SC(O)R¹⁶:
- X is alkyl, aryl, arylalkyl, O-loweralkyl, or -NR³R³;
- Z is -(CH₂)₁₋₆-, optionally substituted with 1-3 lower alkyl; -CHR²-; -Phe-CH₂-, where Phe is optionally mono-substituted with halogen, lower alkyl, or alkoxy; or heteroarylene-(CH₂)-;
- . m is 2 or 3; and
- n is 4-9;

Or a pharmaceutically acceptable salt thereof.
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